

INTERNATIONAL SEARCH REPORT

Rec'd PCT/PTO 14 OCT 2004

International application No

PCT/EP 03/03983

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F28F27/00 F28D9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F28F F28D B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 848 155 A (CUMMINS ENGINE CO INC) 17 June 1998 (1998-06-17) abstract column 12, line 29 -column 16, line 56; figures 5-9	1-4, 6, 10, 16, 18, 19, 27
X	PATENT ABSTRACTS OF JAPAN vol. 009, no. 235 (M-415), 21 September 1985 (1985-09-21) -& JP 60 089685 A (UBE KOSAN KK), 20 May 1985 (1985-05-20) abstract; figures	1, 3-5, 10, 16, 18, 19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

5 August 2003

Date of mailing of the international search report

11/08/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 047 274 A (WILSON WARREN M) 31 July 1962 (1962-07-31) cited in the application column 3, line 32 -column 5, line 73 column 10, line 30 -column 11, line 57 figures 1-4 ---	1, 4, 10, 13, 18, 19, 21
P, X	WO 02 087753 A (ASHE ROBERT ; ASHE MORRIS LTD (GB); MORRIS DAVID (GB)) 7 November 2002 (2002-11-07) cited in the application page 23, paragraph 2 - paragraph 3; claim 16; figures 10-12 ---	1, 2, 7, 8, 11, 13, 18, 19, 24, 26
A	DE 610 228 C (BERGEDORFER EISENWERK AKT GES) 6 March 1935 (1935-03-06) the whole document ---	1, 22
A	WO 00 70292 A (ALFA LAVAL AB ; KAELLROT MAGNUS (SE)) 23 November 2000 (2000-11-23) the whole document ---	1, 2, 10, 11, 14, 16, 22
A	US 4 993 367 A (KEHRER WOLFGANG) 19 February 1991 (1991-02-19) the whole document -----	1

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Information on patent family members

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